

Form PTO-1449 (Modified)			Atty. Docket No. <i>#4</i>	Serial No. 09/904,634			
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Applicants: Ami CHAND; Kevin KJOLLER; Kenneth BABCOCK and Michael HARRIS				
O I P E P A T E N T T R A M P E R E N C E O F F I C E S E P 2 5 2001 PTO CUSTOMER NO. 023907			Filing Date: 07/13/2001		Group: 2858 2856		
REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS				
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>Dm</i>		6,189,374B1	02/2001	ADDERTON, et al	—	—	
<i>Dm</i>		6,181,097B1	01/2001	LI, et al.	318	592	
<i>Dm</i>		6,057,546	05/2000	BRAUNSTEIN, et al.	250	306	
<i>Dm</i>		6,038,916	03/2000	CLEVELAND, et al.	—	—	
<i>Dm</i>		5,831,181	11/1998	MAJUMDAR, et al.	73	105	
<i>Dm</i>		5,512,808	04/1996	CLARK, JR., et al.	—	—	
<i>Dm</i>		5,504,338	04/1996	MARIAN, et al.	250	306	
<i>Dm</i>		5,461,907	10/1995	TENCH, et al.	73	105	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes
							No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>Dm</i>		Atomic Force Microscopy Using An Integrated Comb-Shape Electrostatic Actuator For High-Speed Feedback Motion, T, Akiyama, et al., <i>Applied Physics Letters</i> , Vol. 76, No. 21, 05/22/2000, pgs. 3139-3141					
<i>Dm</i>		Controlled Manipulation Of Molecular Samples With The NanoManipulator, Martin Guthold, et al., <i>IEEE/ASME Transactions On Mechatronics</i> , Vol. 5, No. 2, June 2000, pgs. 189-198					
<i>Dm</i>		Nanoparticle Manipulation By Mechanical Pushing: Underlying Phenomena And Real-Time Monitoring, C. Baur, et al., <i>Foresight Institute Web Page</i> , 3 pgs.					
<i>Dm</i>		Manipulation Of Gold Nanoparticles In Liquid Environments Using Scanning Force Microscopy, R. Resch, et al., <i>Elsevier Ultramicroscopy</i> 82 (2000), pgs. 135-139					
EXAMINER <i>Dm</i>	<i>Dm</i>			DATE CONSIDERED <i>30 Aug 2003</i>			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM IDS

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SEP 25 2001 PATENT & TRADEMARK OFFICE U.S. GOVERNMENT			Applicants: Ami CHAND; Kevin KJOLLER; Kenneth BABCOCK and Michael HARRIS				
PTO CUSTOMER NO. 023907			Filing Date: 07/13/2001	Group: 2878 2856			
REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS				
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Dm		5,365,073	11/1994	White	—	—	
Dm		5,252,835	10/1993	LIEBER, et al.	250	492.1	
Dm		5,077,473	12/1991	ELINGS, et al.	—	—	
Dm		4,987,312	01/1991	EIGLER	—	—	
Dm		4,943,719	07/1990	AKAMINE, et al.	—	—	
Dm		4,878,213	10/1989	KAZAN, et al.	—	—	
Dm		4,539,089	09/1985	BINNIG, et al.	—	—	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes
							No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
Dm		Microfabricated Tweezers With A Large Gripping Force And A Large Range Of Motion, Thesis by Wen-Hwa Chu, Phd Degree, Dept. of Elec. Engineering & Applied Physics CWRU, August 1994, 2 pgs.					
Dm		3 rd Tech NanoManipulator DP-100 Functional Overview v1.0, 9/11/00, 12 pgs.					
Dm		Nanotube Nanotweezers, Philip Kim and Charles M. Lieber, <i>Science</i> , Vol 286, 12/10/1999, pgs. 2148-2150					
Dm		Pearls Found On The Way To Ideal Interface For Scanned-Probe Microscopes, Russell M. Taylor, et al., <i>Published in the proceedings of the IEEE Visualization 1997 Conference</i> , 6 pgs.					
EXAMINER	<i>CJS 2</i>		DATE CONSIDERED <i>30 Jun 2003</i>				
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							Yes
							No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>Dn</i>		Selective Chemical Vapor Deposition Of Tungsten For Microelectromechanical Structures, N. C. Macdonald, et al., <i>Sensors and Actuators</i> , 20 (1989), pgs. 123-133					
<i>Dn</i>		Silicon-Processed Overhanging Microgripper, Chang-Jin, Kim, et al., <i>Journal Of Microelectromechanical Systems</i> , Vol. 1, No. 1, March 1992, 6 pgs.					
<i>Dn</i>		Simulation Methods For Micro-Electro-Mechanical Structures (MEMS) With Application To A Microtweezer, F. Shi, et al., <i>Pergamon Computers & Structures</i> , Vol. 56, No. 5, 1995, pgs. 769-783					
<i>Dn</i>		Nanotechnology: Tweezers For The Nanotool Kit, Chad A. Mirkin, <i>Science Magazine Web Site</i> , sss.stke.org, 03/12/01, 3 pgs.					
<i>Dn</i>		Twin-Probe Scanning Tunneling Microscope, Shigemi Tsukamoto, et al., <i>Rev. Sci. Instrum.</i> 62 (7), July 1991, pgs. 1767-1771					
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